Claims:

1. Improvements in the process of recovering hydrocarbons in oil wells by injection of treated inert gases of one or various industrial effluences comprising the steps of treating the industrial effluence(s) by operations appropriate to make the constituents and the parameters of the effluence compatible with the hydrocarbons of the deposit and regulating the distribution of different types of gases from their place of origin.

2. Improvements in the process of recovering hydrocarbons in oil wells according to claim 1, characterized in that combustion and/or calcination gases from production processes are selected as industrial effluence.

3. Improvements in the process of recovering hydrocarbons in oil wells according to claim 1 or 2, characterized in that the parameters for making the industrial effluence compatible are temperature, concentration, pressure and expenditure.

4. Improvements in the process of recovering hydrocarbons in oil wells according to any one of claims 1 to 3, characterized in that appropriate operations are applied: adsorption, separation of dusts, condensation, liquefaction, and distillation, compression and distribution.

5. Improvements in the process of recovering hydrocarbons in oil wells according to any one of claims 1 to 4, characterized in that the inert gases comprise a mixture of CO2 and N2.

6. Improvements in the process of recovering hydrocarbons in oil wells according to any one of claims 1 to 5, characterized in that water and oxygen are recycled.

7. Improvements in the process of recovering hydrocarbons in oil wells according to claim 6, characterized in that a

percentage of N2 and CO2 of 75 to 85 and 15 to 25%, respectively, is obtained, such that the sum of both results in 100%.

8. Improvements in the process of recovering hydrocarbons in oil wells according to any one of claims 1 to 7, characterized in that part of the air coming from the chimney is taken in order to augment the concentration of N2 of the injection gases.

9. Improvements in the process of recovering hydrocarbons in oil wells according to any one of claims 1 to 8, characterized in that the emission gases of the combustion of materials selected from the group consisting of fossil fuel (oil, gas and coal) or alternative fuels as waste tires and waste wood, etc. and combinations thereof are used.

10. Method for reducing the contamination in the cement clinker production, characterized in that the effluence coming from combustion and/or calcining gases is treated by appropriate operations in order to make the constituents and their parameters compatible for utilizing them for recovering hydrocarbons in oil wells.